Question Paper
ANMC Mock Test Class 7 - Fractions (Paper 5)

Exam ID : TEST/2024/01/05135057 Report Generation Date : 3/26/2024 3:02:10 PM

Q1: A fraction is divided by reciprocal of itself. It is then multiplied by the original fraction. What is the fraction if the answer obtained is 2 93/125?

A: 6/5

B: 7/5

C: 8/5

D: 9/5

Answer: B

Q2: Which of the following is largest fraction amongst 5/8, 4/7, 5/9, 4/5?

A: 4/7

B: 5/9

C: 5/8

D: 4/5

Answer: D

Q3: 4/5 of 2/3 of 5/6 of 5/8 of 1008 is:

A: 240

B: 260

C: 320

D: 280

Answer: D

Q4: If one is added to the numerator of the fraction it becomes one. If one is added to the denominator of the fraction it becomes 1/3. The fraction is?

A: 4/5

B: 2/3

C: 1/2

D: 2/7

Answer: C

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Q5: Sam travels 330 km on three-fifths of his petrol tank. How far would he travel at the same rate with a full tank of petrol?

A: 550 km

B: 580 km

C: 520 km

D: 560 km

Answer: A

Q6: 1/6 of a number equals (2/5) ÷ (1/20). What is the number?

A: 42

B: 50

C: 48

D: 54

Answer: C

Q7: Divide 3/10 by (1/4 of 9/5)

A: 3/2

B: 2/3

C: 5/6

D: 6/5

Answer: B

Q8: How many 2/7 kg pieces can be cut from a cake of weight 26 kg?

A: 78

B: 91

C: 52

D: 65

Answer: B

Q9: A student was asked to multiply a number by 7/9. Instead he divided it with 7/9 and got an answer 48 more than the correct answer. Find the number.

A: 263/4

B: 175/2

C: 277/4

D: 189/2

Answer: D

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Q10: Which of the following is largest fraction amongst 15/16, 23/25, 12/13 and 14/15?

A: 23/25

B: 12/13

C: 15/16

D: 14/15

Answer: C

Q11: A group of boys eats 3/5 of mangoes on 1st day. On the 2nd day they eat 1/4 of the remainder. How many mangoes were there initially if still 72 mangoes are left?

A: 245

B: 240

C: 242

D: 248

Answer: B

Q12: Divide 7/12 by [(2/3) of (9/8)].

A: 8/9

B: 6/7

C: 7/9

D: 7/8

Answer: C

Q13: Find the value of: [1/(4 2/5)] + [1/(2 4/9)] + [1/(22/13)]

A: 29/22

B: 27/22

C: 23/22

D: 25/22

Answer: B

Q14: What is the square of product of 30/74 and 37/21?

A: 25/49

B: 25/36

C: 16/36

D: 16/49

Answer: A

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Q15: A student was asked to multiply a number by 2/5. Instead, he divided it with 2/5 and got an answer 126 more than the correct answer. Find the number.

A: 56

B: 62

C: 60

D: 58

Answer: C

Q16: Solve: 18 1/3 × 20 2/5 × 3 3/22

A: 1172

B: 1173

C: 1175

D: 1177

Answer: B

Q17: If 2x + 8y = 27 and x = (1/2)y, then x2 =?

A: 9/4

B: 9/16

C: 16/25

D: 4/25

Answer: A

Q18: Find the value of: [1/(12 3/5)] – [1/(6 3/10)] + [1/(7 7/8)]

A: 1/22

B: 1/18

C: 1/21

D: 1/20

Answer: C

Q19: A student was asked to multiply a number by 16/9 but he multiplied it with 9/16 and got an answer 175 less than the correct answer. Find the number.

A: 142

B: 144

C: 154

D: 156

Answer: B

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Q20: 2/7 part of tank is full of water. Another 1400 liters of water is required to completely fill the tank. The capacity of the tank is?

A: 1900 liters

B: 1950 liters

C: 1960 liters

D: 1980 liters

Answer: C

Q21: In a class of 60 students, one day 1/5 of the students were absent. Find the number of present students on that day.

A: 48

B: 52

C: 50

D: 45

Answer: A

Q22: What is the square of product of 32/78 and 54/36?

A: 64/225

B: 49/169

C: 64/169

D: 49/225

Answer: C

Q23: Evaluate the following: (5 1/3 ÷ 11/2) – (8 2/3 ÷ 3 1/3)

A: 43/15

B: 44/15

C: 41/15

D: 47/15

Answer: C

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Q24: If a fraction’s denominator is decreased by 20% and numerator is increased by 60%, the fraction becomes 6/5. What is the fraction?

A: 4/5

B: 1/5

C: 2/5

D: 3/5

Answer: D

Q25: A student was asked to multiply a number by 9/14 but he multiplied it with 14/9 and got an answer 57.5 more than the correct answer. Find the number.

A: 63

B: 59

C: 57

D: 65

Answer: A

Q26: In a town of 102000 members, 7/12 of the members are male members. Find the number of female members.

A: 59500

B: 48500

C: 42500

D: 52500

Answer: C

Q27: How many 3/2 kg pieces can be cut from a cake of weight 102 kg?

A: 62

B: 64

C: 68

D: 66

Answer: C

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Q28: Which of the following is largest fraction among 19/12, 26/15, 33/20 and 11/6?

A: 33/20

B: 11/6

C: 26/15

D: 19/12

Answer: B

Q29: A group of boys eats 5/8 of oranges on 1st day. On the 2nd day they eat 1/6 of the remainder. How many oranges were there initially if still 90 oranges are left?

A: 288

B: 280

C: 282

D: 285

Answer: A

Q30: If 16x + 3y = 50 and 2x = y then x =?

A: 20/11

B: 23/13

C: 25/11

D: 22/13

Answer: C